

CURRICULUM VITAE

Mrs. H. F. Seyed Mafiya Haniff. M.Sc., M.Phil., B.Ed.

Assistant Professor & MID

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Education:

P.h.D. (Zoology) Pursuing at Arignar Anna Govt Arts&College, Musiri, affiliated with Bharathidasan University, Tiruchirappalli, research focuses on the “Separation and characterization of bacterial exopolysaccharides (EPS) from marine sediments”.

M.Phil. [Biotechnology] Completed in July 2007 from Bharathidasan University, Tiruchirappalli with First Class entitled “Characterization of proteolytic and amylolytic bacteria in Manakudy estuarine environment and assay on extra cellular protease and amylase production

M.Sc. [Zoology]: Passed in First class from Bharathidasan University, Tiruchirappalli, in July 2020.

M.Sc. [Industrial Biotechnology]: Passed in First class from Holy Cross College, Nagercoil affiliated to Manonmanium Sundaranar University, Tirunelveli, in April 2005.

B.Ed. [Biological Science]: Passed in First class from BTK College of Education, Viralimalai affiliated to Tamil Nadu Teachers Education University, Chennai in May 2018.

B.Sc [Zoology]: Completed in April 2003 from Arignar Anna College, Aralvaimozhi [Manonmanium Sundaranar University] with First class, having Chemistry and Botany as Ancillaries.

Additional Qualifications:

Post Graduate Diploma in Computer Applications

Area of interest

- Cell and Molecular Biology
- Animal physiology
- Developmental Biology
- Immunology
- Microbiology
- Biotechnology

Professional Experience :

- Five years as Assistant Professor in the P.G. & Research Department of Biotechnology at Jamal Mohamed College (Autonomous), Tiruchirappalli. (February 2018 to July 2022)
- Working as Assistant Professor in Zoology, Jamal Mohamed College (Autonomous), Trichy,(July , 2022 to Till Date).

Publications:

- V.N. Hameetha Banu, P. Mohideen Askar Nawas, **H.F. Seyed Mafiya Haniff** (2019) Seasonal Variation in Sediment Analysis of Rajakkamangalam Estuary of Southwest Coast of India. *Ecology Environment and Conservation*. 25: S241-S249).
- V.N. Hameetha Banu, P.Mohideen Askar Nawas, **H.F.Seyed Mafiya Haniff**, Sujatha Ravi (2019) Isolation, Identification and Characterization of Nitrate Reducing Bacteria from the Estuarine Waters of Selected Sampling Stations of Rajakkamangalam Estuary. *International Journal of Pharmacy and Biological Sciences-9* (3): 556-562.
- P.Mohideen Askar Nawas, **H.F.Seyed Mafiya Haniff**, Karuppiyah Sundararasu, Thiruvengadam Shankar, Sakthivel Venkatesh (2023) Optimization of culture conditions for the production of exopolysaccharides from marine isolate *Citrobacter sp.* *Natural Resources For Human Health* 2583-1194.
- B.Nazeer Mohamed, R.Kebaraj, P.Mohideen Askar Nawas, Athmanathan Balasundharam, **H.F. Seyed Mafiya Haniff** (2024) Histological assessment of toxicity impact of various dyes on midgut of fifth instar of mulberry silkworm, *bombyx mori*. *International Journal of Entomology Research (Issue, 2 2024)*
- **H.F.Seyed Mafiya Haniff**, Karupapiyah Sundararasu, P.Mohideen Askar Nawas, Benazir Begum, Pandiaraj Maheswari, Murugan Vijayashanthi (2024) Characterization, Antibacterial and Anticancer Activity of Exopolysaccharide from Bacteria isolated from Marine Sediment. *International Journal of Biochemical and Cellular Archives*. (1881-1886,2024)
- S.Benazir Begum, **H.F.Seyed Mafiya Haniff**, K.Vijayalakshmi (2024). Unveiling the therapeutic potential: Phytochemical Screening and Antioxidant Activities of Hibiscus. *Advances in Biological Research. Kavya Publications. ISBN 978-93-6431-061-1*

Conference Organized:

- 2nd international Conference on Recent Trends in Biotechnology (ICRTB-2021) (Virtual Mode), organized by the P.G. and Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli -620020, on 19th January 2021.

Research experience:

Designation	Duration	Institution	Title
Part Time Ph.D Research Scholar	2021- Till Date	Arignar Anna Govt Arts&College,Musiri	Separation and characterization of bacterial exopolysaccharides from marine sediments
M.Phil., scholar	2005-2007	CDE, Bharathidasan University.	Characterization of proteolytic and amylolytic bacteria in Manakudy estuarine environment and assay on extra cellular protease and amylase production
Post graduate student	2003-2005	Sangene Biotech. Bangalore.	Extraction and Purification of Bacitracin like Antimicrobial agents

Academic Responsibilities

- Member In-Charge of the Department of Zoology (SF-Women) from June 2023 onwards.
- Department Placement officer from 2019 to 2021(Biotechnology) and 2022-23 (Zoology).
- Acted as a Vice president of Biotechnology Association from 2021 – 2022.
- Acted as a Vice president of Zoology Association from 2022 – 2023.
- Department Website in-charge from 2018 to 2023.
- Department ERP in-charge from 2018 to 2023
- Member in Microcell from 2022 to till date.

Other Academic Activities

- Member, Board of Studies in Biotechnology (UG & PG), (B.Sc., M.Sc. and M.Phil) in Jamal Mohamed College, Trichy.
- Question paper setter for Bharathidasan University, Annamalai University, Dhanalakshmi Srinivasan College, Selvam College, National College.
- Acted as External Examiner for M.Sc., Degree practical Examination appointed by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India from November 2019 onwards.

Professional Development

- Completed the **NPTEL-AICTE(SWAYAM)** Online Course on “Wildlife Ecology” with 85% of Consolidated Score offered Indian Institute of Technology, Kanpur.(July to October 2021)
- Completed the **NEP 2020 Orientation & Sensitization Programme** Under MALAVIYA Mission Teacher Teacher Training Programme(MM-TTP of University Grants Commission(UGC) Organized by **UGC-MMTTC, Mizoram University from 29th November to 7th December 2024.**

Acted as Resource Person

- Acted as Evaluator in District Level 31st National Children's Science Congress-2023, co-ordinated by Taminadu Science Forum (TNSF) during 30th October 2023 held at Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Acted as Evaluator in District Level Understanding Ecosystem for Health and Well-Being **30.10.23**
- Acted as Evaluator **Nazhaiya Vignani 2023 (14.12.2023)**
- Junior level served as jury National science fair for school students during 22.01.2024 to 23.01.2024 held at Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Served as Judge in Chem-Puzzle event Chem-Fiesta 2024 during 23.01.2024 held at P.G. and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Acted as Judge in the Mushroom Feast Inter-Departmental Contest organized by P.G. and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli. Held on 20th September 2024.

Faculty Development Programme Attended

- UGC CPE Sponsored Two-Day workshop on professional development for academic leadership in curriculum design organized by curriculum development cell, Jamal Mohamed College (autonomous), Tiruchirappalli -620020, Tamil Nadu on 18 and 19 January 2019.
- Participated in faculty Development programme on "**E-Content Development**" by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli.
- 2 days FDP on Project Proposals for Funding Agencies (UGC Stride & ICSSR Impress): Preparation and Submission Protocol organized by Patrician College of Arts and Science, Chennai on 16-05-2020 & 17-05-2020
- Participated in faculty Development programme on "Drug Development and Delivery" organized by the P.G. and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli -620020, on 10th-12th December 2020.
- Participated in faculty Enrichment programme on "Art of Writing in Indexed Journal Publication" by Internal Quality Assurance Cell, Jamal Mohamed College, and Tiruchirappalli on 28.07.2021.
- Participated in one week faculty Development programme on "Life Skill and Wellness during Pandemic" by AMET Business School from July 5 to July 11 2021.
- Participated in the online faculty Enrichment programme by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli from 21.06.2021 to 25.6.2021.

- Participated in 12 week faculty Development programme on “Wildlife Ecology” by NPTEL-AICTE(SWAYAM) from 26-07-2021 to 23-10-2021.
- Participated in 7 days faculty Development programme on Green Biotechnology and Bioenergy, Arunai Engineering College, Biotech Research Society, India (BRSI), Indian Society for Technical Education (ISTE) and Institution’s Innovation Council(IIC) 18.12.2023 to 24.12.2023
- Participated in One week national level faculty development programme on pedagogical innovations and strategies in Higher Education A.C.T. Academy, Tamil Nadu and SKR & SKR Govt.College For Women,Kadapa, Andhra Pradesh. 27.12.2023 to 03.01.2024.
- Participated in 5 days Faculty Development Programme on Road map for Intellectual property rights Intellectual Property Rights Cell (IPR Cell) & Institution’s Innovation Council (IIC) 08.01.2024 to 12.01.2024, Jamal Mohamed College, Tiruchirapalli.
- Participated in Eight days National FDP on “ Research Methodology and Pedagogy of Writing, Project Funding Department of Science and Humanities, Mohamed Sathak AJ College of Engineering 29.01.2024 to 06.02.2024.
- Participated in A Five- Day Faculty Development Programme on ‘Inspire, Engage and Empower’ Internal Quality Assurance Cell (IQAC) & PG & Research Department of English (SF- W) Jamal Mohamed College, Tiruchirapalli. 01.02.2024-07.02.2024.
- Participated in One week Virtual Faculty Development Programme on Recent Scenario in Biological Science PG and Research Department of Zoology, V.O,Chidambaram College, Tuticorin 12.02.2024 to 18.02.2024.
- Participated in A Five-Day Faculty Development Programme, Jointly organized by PG & Research Department of Zoology, Biotechnology and IQAC, Jamal Mohamed College, Tiruchirappalli, from 05.06.2024 to 09.06.2024.
- Participated in National Level Five-Day FDP entitled “SEPT @ 360 – Skill Enhancement Programme for Teachers” held from 2nd September 2024 to 6th September 2024 organized by IQAC of SMCE & SVCAS in celebration of Teachers Day 2024.
- Participated in Five Day Virtual Faculty Development Programme on “ Role of Botanical Survey of India in Systematics Research” organized by Department of Botany under DBT-STAR College Scheme, Bon Secours College for Women(Autonomous), Thanjavur, from 14.10.2024 to 18.10.2024.
- Participated in 5 Days Virtual Faculty Development Programme entitled ‘ Embracing Local Ecological Management and Environmental Norms through the Teachings of Sustainability via Pancha Bhoota and Indian Knowledge Systems’ (ELEMENTS-2024) organized by Department of Microbiology, Rathnam College of Arts and Science, Coimbatore, under DBT-STAR College Scheme from 17.10.2024 to 23.10.2024.

Seminar / workshop attended:

- State level seminar on “Applied aspects of Industrial Biotechnology”.
- International seminar on “Challenges and applications of Biotechnology”.
- National workshop on “Advanced Techniques in Biotechnology”..
- 11th South Zone CME meet – Vivek CME 2003
- Intercollegiate seminar on “Advances in aquaculture “.
- National seminar on “Advances in Animal Science for Sustainable Development” (AASSD-2018).
- International seminar on “Emerging Trends in Biological Research (ETBR 2018)”.
- New Vistas in Life Sciences organized by the PG Department of biochemistry , holy cross college (autonomous), Tiruchirappalli – 620002 on 11th September 2018
- International Conference on Cancer Inference and its Prevention Strategies (ICCIPS-2019) held at Department of Biochemistry, Periyar EVR College (Autonomous), Tiruchirappalli on 22nd February 2019.
- State level seminar on conservation of biological diversity Organized by PG and Research Department of Zoology , Periyar EVR College (Autonomous), Tiruchirappalli -620020, Tamil Nadu, India on march 5th 2019
- Workshop on applied Bioinformatics: Techniques, Tools, Tasks during 18 & 19 February, 2020 at NFM, Bharathidasan University, Tiruchirappalli.
- International Conference on Prospects of Bioscience in Transdisciplinary Research-2020 during 21 & 22, January 2020 by Department of Biotechnology, Bishop Heber College (Autonomous), Tiruchirappalli.
- National Seminar on Human Microbiota – An Ecological Approach on 22nd January, 2020 Organized by PG and Research Department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli.
- International Conference on Sustainable Management and Conservation of National Resources held at Periyar EVR College (Autonomous), Tiruchirappalli on 15th February 2020.
- Two week MOOC Workshop for College teachers on Management of Environment and its Resources” Organized by Nasamony Memorial Christian College, Marthandam and St. Xavier’s College, Pallayamkottai on 28-04-2020 to 11-05-2020.
- 3 days online course on Apiculture” organized by Ayya Nadar Janaki Ammal College, Sivakasi on 13-05-2020 to 15-05-2020.
- Webinar on “Neurodegenerative Disease – Challenges and Excitements” organized by Mizoram University, Aizawl, India.
- Webinar on “ A Detailed Deliberation on Corona” organized by C. Abdul Hakeem College, Melvisharam
- Webinar on “Identifying Natural Abilities and Pursuing the Passion” Organised by GTN Arts College, Dindigul.
- Webinar on “Bioinformatics in Microbiome Research & Climate, Biomass and India” organized by St. Mary’s College, Thoothukudi.
- Webinar on “ITC and its Data Analysis using Dynamic Approach” conducted by Karpagam Academy of Higher Education. Coimbatore.
- Webinar on “Proteome genome approach towards Biomarker Discovery” Organized by Tirunelveli Dakshina Mara Nadar Sangam College. T. Kallikulam.

- Webinar Series on World’s First Coronavirus Discussion Series(CoVID19)
- National Conference on Post Covid -19 Complications – A Biotechnological Approach (PCBA ‘22)
- One Day Workshop for the evaluators as a part of District level preparation for the NCSC 2023 on 17th October 2023 at St. Joseph College, Tiruchirappalli, Tamilnadu, India.
- Participated Three Days National Online Workshop on Thesis Writing Hilearn Edutech Institute, Bijapur/Vijayapur, Karnadaka on 27th, 28th and 29th December 2023.
- Presented paper entitled “*In Vitro* Antibacterial Potential Of Bacterial Exopolysaccharide From Halophiles”on 3rd International Conference - Emerging Trends in Microbial Technology (ICETMT – 2024) held on 24.01.2024 Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Presented paper entitled “Separation and chemical characterization of bacterial exopolysaccharides from marine sediments of Gulf of Mannar” on 3rd International Conference - Biotechnological Approaches for Global Environmental Problems (ICBAGEP- 2024)held on 12.02.2024 Department of Biotechnology, Jamal Mohamed College (Autonomous), Tiruchirappalli.
- A Five-Day Upskilling Programme, Jointly organized by PG & Research Department of English and IQAC, Jamal Mohamed College, Tiruchirappalli, from 19.08.2024 to 23.08.2024.
- International Seminar on Environmental Health in Tiruchirappalli: Issues, Challenges, and Pathways held on 18th September 2024, Jamal Mohamed College, Tiruchirappalli- 620 020.
- National Level Faculty Workshop online titled “ Green Computing: Sustainability Through Information Technology organized by A.C.T Academy, Kerala, held on 19.11.2024
- A Five Day National Level Virtual Workshop on Next – Gen Research Tools organized by Faculty of Science and Humanities, Department of English & Other Foreign Languages, SRM Institute, Ramapuram, Chennai, from 03.12.2024 to 07.12.2024.

Personal Details:

Date of Birth : 12.07.1983
Nationality : Indian
Religion : Islam
Marital Status : Married
Languages known : English, Tamil, Malayalam.

(Mrs. H. F. Seyed Mafiya Haniff)